

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/517,544A  
Source: 1FW16  
Date Processed by STIC: 2/7/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFW16

## RAW SEQUENCE LISTING

DATE: 02/07/2007

PATENT APPLICATION: US/10/517,544A

TIME: 11:41:01

Input Set : N:\efs\02\_07\_07

\10517544a\_efs\285978SubstituteSequenceListing.txt

Output Set: N:\CRF4\02072007\J517544A.raw

3 <110> APPLICANT: RIKEN  
 4 KABUSHIKI KAISHA DNAFORM  
 6 <120> TITLE OF INVENTION: Method for utilizing the 5'end of mRNA for cloning and analysis  
 8 <130> FILE REFERENCE: 1336(PCT) [035576/285978]  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/517,544A  
 C--> 10 <141> CURRENT FILING DATE: 2005-06-09  
 10 <150> PRIOR APPLICATION NUMBER: JP 2002-171851  
 11 <151> PRIOR FILING DATE: 2002-06-12  
 13 <150> PRIOR APPLICATION NUMBER: JP 2002-235294  
 14 <151> PRIOR FILING DATE: 2002-08-12  
 16 <160> NUMBER OF SEQ ID NOS: 119  
 18 <170> SOFTWARE: PatentIn version 3.1

*see pp 1-4*  
 Does Not Comply  
 Corrected Diskette Needed

## ERRORED SEQUENCES

1901 <210> SEQ ID NO: 119  
 1902 <211> LENGTH: 68  
 1903 <212> TYPE: DNA  
 1904 <213> ORGANISM: Artificial Sequence  
 1906 <220> FEATURE:  
 1907 <223> OTHER INFORMATION: DNA fragment for concatemer production  
 W--> 1909 <221> NAME/KEY: misc\_feature *← see p.2 for explanation*  
 1910 <222> LOCATION: (1)...(68)  
 1911 <223> OTHER INFORMATION: n = any nucleotide  
 W--> 1913 <400> 119  
 W--> 1914 cttaagnnnnn nnnnnnnnnnn nnnnncaacc tggatccagg ttgnnnnnnnn nnnnnnnnnnn 60  
 1915 nnccttaag 68  
 E--> 1916 35  
 E--> 1919 34  
 E--> 1925 3 *delete*

RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52  
Seq#:53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#:78,80,87,88,89,90,94,96,98,100,102,103,104,105,106,107,108,109,110,111  
Seq#:112,113,114,115,116,117,118,119

see p. 3 for sample

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<210> 119  
<211> 68  
<212> DNA  
<213> Artificial Sequence

One Feature Section  
<220>  
<223> DNA fragment for concatemer production

<221> misc\_feature  
<222> (1)...(68)  
<223> n = any nucleotide

additional Feature Section  
<400> 119  
cttaagnnnn nnnnnnnnnn nnnnncaacc tggatccagg ttgnnnnnnn nnnnnnnnnn 60  
nncttaag 68

Insert a <2207 before the additional "Feature" section

This type of error appears in many sequences. See p. 2 for the sequence ID numbers.

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<210> 80

<211> 13

<212> DNA

<213> artificial

Artificial Sequence

← insert <220>

<400> 80

cctaggtccg acg

<223> ← explanation

(see p. 2)

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Input Set : N:\efs\02\_07\_07

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Output Set: N:\CRF4\02072007\J517544A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
 L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60  
 L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
 L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
 L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
 L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
 L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
 L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
 L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
 L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
 L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
 L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
 L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
 L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:420  
 L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
 L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
 L:1044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
 L:1081 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:76,Line#:1079  
 L:1254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:78  
 L:1260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0  
 M:341 Repeated in SeqNo=78  
 L:1286 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:80  
 L:1289 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:80, <213>  
 ORGANISM:Artificial Sequence  
 L:1289 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:80, <213>  
 ORGANISM:Artificial Sequence  
 L:1289 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:80,Line#:1289  
 L:1373 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1377 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:87  
 L:1378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0  
 M:341 Repeated in SeqNo=87  
 L:1398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1402 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:88  
 L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0  
 M:341 Repeated in SeqNo=88  
 L:1423 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1427 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:89  
 L:1428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0  
 M:341 Repeated in SeqNo=89  
 L:1448 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1452 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:90  
 L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0  
 M:341 Repeated in SeqNo=90  
 L:1510 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:94  
 L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0  
 L:1538 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1542 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:96

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## VERIFICATION SUMMARY

DATE: 02/07/2007

PATENT APPLICATION: US/10/517,544A

TIME: 11:41:02

Input Set : N:\efs\02\_07\_07

\10517544a\_efs\285978SubstituteSequenceListing.txt

Output Set: N:\CRF4\02072007\J517544A.raw

L:1543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0  
L:1566 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1570 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:98  
L:1571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0  
L:1594 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1598 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:100  
L:1599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0  
L:1622 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1626 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:102  
L:1627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0  
L:1639 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1643 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:103  
L:1644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0  
L:1656 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:104  
L:1661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:0  
L:1673 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1677 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:105  
L:1678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0  
L:1690 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1694 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:106  
L:1695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0  
L:1707 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1711 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:107  
L:1712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0  
L:1724 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1728 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108  
L:1729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:0  
L:1741 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1745 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:109  
L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0  
L:1758 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1762 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:110  
L:1763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0  
M:341 Repeated in SeqNo=110  
L:1775 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1779 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:111  
L:1780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0  
M:341 Repeated in SeqNo=111  
L:1792 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1796 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:112  
L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0  
L:1809 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1813 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:113  
L:1814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0  
L:1826 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1830 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:114  
L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0  
L:1842 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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VERIFICATION SUMMARY

DATE: 02/07/2007

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Input Set : N:\efs\02\_07\_07

\10517544a\_efs\285978SubstituteSequenceListing.txt

Output Set: N:\CRF4\02072007\J517544A.raw

L:1846 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:115  
L:1847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0  
L:1858 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1862 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:116  
L:1863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0  
L:1875 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1879 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117  
L:1880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0  
L:1892 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1896 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:118  
L:1897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0  
M:341 Repeated in SeqNo=118  
L:1909 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1913 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:119  
L:1916 M:254 E: No. of Bases conflict, this line has no nucleotides.  
M:254 Repeated in SeqNo=119